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COMMISSION ON MINERAL RESOURCES
DIVISION OF MINERALS
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MICHAEL VISHER
Administrator

EXECUTIVE SUMMARY AND MONTHLY ACTIVITY REPORTS

May 2022

Industry and Public Relations: The Division exhibited and provided several presentations at the GSN Symposium, which was attended by over 1,400 participants. A presentation on 2021 Nevada mineral production is available on the website at - https://minerals.nv.gov/home/features/RP/Recent_Presentations/. The Division is acting as a cooperating agency on the BLM's Greenlink West and UT-NV Cross Tie electrical transmission line environmental impact statements. We've also been providing information to industry representatives and the DOI pertinent to the ongoing discussions on mining law reform. In June, the Division will host exhibits at PDAC (Toronto) and at the Elko Mine Expo.

Abandoned Mine Lands (AML): Six interns began their summer program on May 16th with a week full of training, followed by inventory and fencing work in the larger Tonopah region. Contractor Environmental Protection Services performed safeguarding at over 100 sites in several northern Nevada counties and continues work on hard closures in the Virginia City area. Contracted archaeological and geological work continues on proposed hard closure projects in Lander, Pershing and Washoe counties. We continue to work with OEPC and USGS on a national Hardrock AML database in advance of funding for a nationwide program. A successful vendor, Territory 6, was chosen for the AML Digital Marketing Campaign with the expectation that negotiations will continue into June and the contract will be submitted to IFC and BOE soon so that work can start in early FY2023. End-of-May AML statistics:

	SITES INVENTORIED	SITES SECURED	% Secured
Since 1987	24,060	19,754	82%
2022 To Date	93	100	107%

Fluid Minerals: Seven geothermal and no oil permits were issued in May. Three geothermal sundries and one oil sundry were processed in May. One DMRE borehole and one exploration well were approved in May, both in Esmeralda County. A multi-agency meeting was held with several agencies at NDEP and DWR to review and outline various permitting scenarios pertinent to lithium brine exploration, development, production, and injection. 104 oil wells were inspected in Nye and White Pine counties. End-of-May well inspection status:

FY 2022 Well Inspections	Total Wells	Wells Needed for FY22	Wells Inspected	% of Total Needed	Wells Remaining
Geothermal (19 Locations)	463		168		
Oil (23 Locations)	121		122		
Totals	584	195	290	149%	-95

Reclamation Bond Pool: Activity in May consisted of two new notice-level bonds. End-of-May bond pool financial summary:

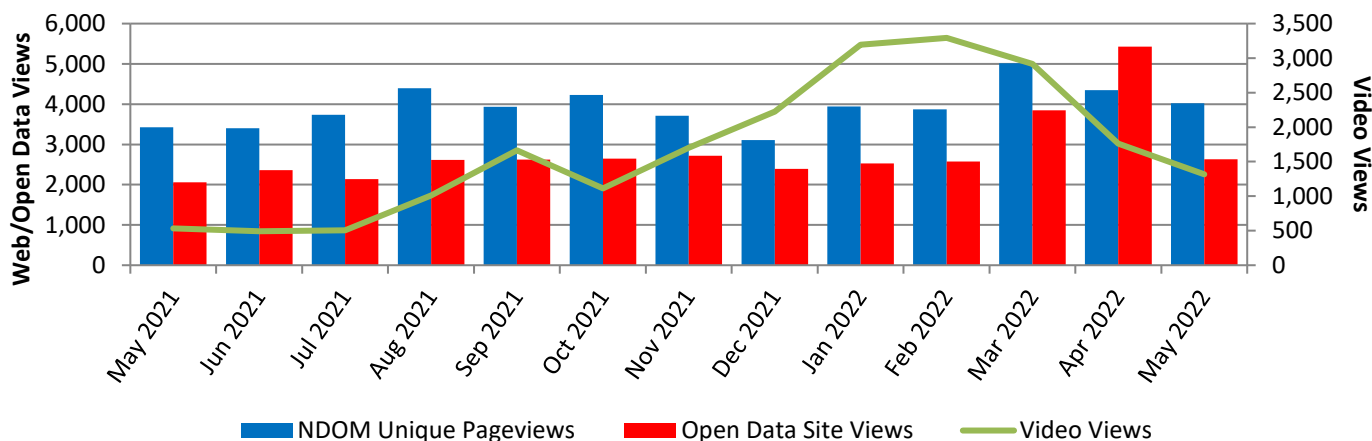
Reclamation Bond Pool Status Report			Current to:	6/6/2022				
Plan-level Bonds -Company	Project	Entry Date	Bond Amount	% of Pool	Comments	Deposit	Premiums Paid	% Bond Whole
Allegiant Gold	Eastside	11/19/2021	\$163,064.00	8.25%		\$84,036.27	\$9,690.57	57.5%
Custom Details	Bovie-Lew	11/17/2006	\$14,643.00	0.74%		\$7,328.32	\$18,784.75	178.3%
New Gold Nevada (NV Rae)	Black Rock Canyon	4/15/2005	\$66,673.00	3.38%		\$33,715.62	\$172,375.86	309.1%
SNL Sand LLC	Money Pit	5/21/2004	\$430,088.00	21.77%		\$233,171.91	\$297,486.92	123.4%
Western Mine Dev.	Victorine Mine	5/24/2000	\$45,875.39	2.32%	terminated	\$0.00	\$0.00	
Western Mine Dev.	Kingston Mill	5/24/2000	\$100,450.00	5.09%	terminated	\$0.00	\$0.00	
TNT Venture	Big Canyon	1/27/2010	\$78,161.00	3.96%		\$39,615.03	\$51,320.49	116.3%
Dun Glen Mining	Dun Glen	8/11/2014	\$439,240.00	22.24%		\$238,536.99	\$211,685.01	102.5%
Statewide Notice-Level	Various	various	\$637,197.00	32.26%	52 Notice-level bonds			
Total Bond Amount			\$1,975,391.39					
Cash in Pool's Account (From BSR - 5/27/2022)			\$3,106,811.00					
Unfunded Amount			-\$1,131,419.61					
Percent funded			157.3%					

Minerals Education and Outreach: Planning continues for participation at the northern Nevada workshop, June 21-22, in Carson City. There were 19 presentations by staff in May and 1,316 educational video views via the Division's open data site and YouTube channel.

Website/Open Data Site Activity:

Period	Website Pageviews	Website Unique Pageviews	Website Top 5 Pageviews	Open Data Site Views	Video Views
May 2022	5,416	4,019	Home, Mining-Mining Claims, Data Resources, Mining-MiningStockCert, and Mining-Home	2,628	1,316
Apr 2021-Apr 2022	69,381	51,140		36,545	21,819

**NDOM Web/Open Data/Video Sites
13 Month Rolling Chart**



Financial, Personnel, and Safety: The reserve balance at the end of May was \$3,709,016. Six summer interns started their 14-week program. Following her resignation, a job announcement has been posted for Becky's position in Las Vegas. There were no accidents or incidents in May.

MONTHLY ACTIVITY REPORTS

Administrator – Mike Visser

1. Provided the Governor's Office with a draft proclamation declaring June 5-11 as Nevada Mineral Industry Week.
2. Worked with Rachel Micander at NBMG to review nearly 100 boxes of historic documents donated by the Office of the State Mine Inspector. 43 boxes containing documents related to mineral production, inspections, and accident reports dating back to early 1900s were retained for future archiving.
3. Provided a presentation at the GSN Symposium on 2021 mineral production and exploration activity and trends in Nevada.
4. Met with, and provided a presentation to, a large mining delegation from Argentina on how Nevada manages lithium brine exploration and production. Presenters also included BLM, NDEP, and DWR.
5. Meetings attended: Virginia mining regulatory delegation, UNR Business School Mining Chain Supply symposium, NDEP and DWR meeting on lithium brine exploration and mine permitting requirements, Mining Law Reform, IOGCC Annual Business Meeting in Oklahoma City, Truckee Meadows Regional Planning Advisory Subcommittee on Natural Resources, Net Zero Nevada, quarterly CMR, BLM Fluid Minerals permitting updates, Governor's Cabinet, Agency PIOs.

Deputy Administrator – Rob Ghiglieri

1. Bond pool activity in May consisted of two new notice-level bonds.
2. Held a meeting with the USGS on the draft National AML Hardrock database. We reviewed how it will be used, the goals of the database, and the many different difficulties that could arise while compiling a national database form potentially over 50 different groups.
3. Continued to work on the template and design for a National AML Hardrock database and with IMCC submitted the draft design for comments/suggested edits to other state AML programs. We received comments and edits from over 15 states including California, Idaho, Maine, Minnesota, and Virginia, giving a strong nationwide collaboration. We reviewed and made necessary edits to the database before providing it back to the USGS.
4. Attended a meeting discussing BIL Section 40704 with DOI's Office of Environmental Policy and Compliance (OEPC) and IMCC. We discussed the funding availability and potential grant opportunities with OEPC.
5. Attended the quarterly CMR meeting, the GSN Symposium, and the Mining Supply Chain Symposium at UNR.
6. Selected a vendor for the AML Digital Marketing Campaign, Territory 6. Negotiations will continue into June and contracts submitted to IFC and BOE for early FY2023.
7. Worked with NvMA to plan the June Teachers Workshop in Carson City.
8. Completed the online portion of the second Top Energy training for the Golden, Colorado class. The online work covered geological and engineering basics for oil and gas extraction and technologies. The in-person portion of the class takes place in June and the final in-person portion is in September.
9. Continued to work with Valerie on FY24/25 Budget planning.
10. Created, submitted, and received final approval for a new contract with YESCO for AML billboards in rural Nevada.
11. Attended a demonstration meeting held by the Governor's Grants Office on the state's new grant management system. The system will go live in 2023.
12. End-of-May financial summary of bond pool:

Reclamation Bond Pool Status Report			Current to:	6/6/2022				
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Chief, Abandoned Mine Lands Program – Sean Derby

1. NDOM contractor Environmental Protection Services (EPS) continues work on a large-scale safeguarding program in northwestern Nevada. This regional safeguarding project is addressing dangerous 106 orphaned hazards on federal land in Churchill, Humboldt, Lander, and Pershing counties.
2. EPS also continues work on the VC Grand Prix hard closure project including material support from Robison Engineering, NDOT, Carson City Division of Public Works, and the BLM. To date, permanent closures on 19 sites have been completed, in Lyon and Storey counties, including at the historic Sutro airshaft #3. At present, EPS is completing closure of the historic Foreman shaft.
3. AML staff and interns completed safety and field program training and worked in the Tonopah area during the first field week completing 15 grievance securings in Mineral, Nye, and Esmeralda counties.
4. AML staff responded to public data requests in Esmeralda and White Pine counties.
5. AML staff approached Nevada State Parks with a proposal to complete hard closures at the Berlin Ichthyosaur State Park and will be meeting with them on project development during June.
6. AML contractors completed geological and archeological surveys at three prospective hard closures projects in Lander, Pershing, and Washoe counties.
7. AML staff held a meeting with US Department of Energy Mine Land Program Development team to discuss cooperation with a clean energy initiative being proposed on federal land in Nevada containing historic AML sites.
8. End-of-May AML statistics:

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GIS/ Field Specialist – Lucia Patterson

1. Updated AML photos on the server.
2. Took responses for AML second-notification mailout.
3. Updated mining claims and lithium claims data and open data site.
4. Attended the GSN symposium where I gave two presentations and led a workshop on the open data sites with Rachel Micander.
5. Created a claims density interactive map, [The C.H.I.M.E. Map \(Claim Habitation Interactive Map Experience\) \(arcgis.com\)](#).
6. Attended the annual conference held by the Utah Geographic Information Council in Vernal, Utah where I gave one presentation and attended a one-day short course on JavaScript for API.
7. Entered all data submitted for 2021 annual mine status and production.
8. Trained interns on digital data collection and set up field maps.
9. Worked on preparations for the Teachers Workshop including venue location, session plans, session descriptions, and newspaper article submissions to local newspapers.
10. Identified rocks/minerals for an enthusiastic rock collector and set up a spot in the office with a microscope to assist with these types of requests.
11. Finished AML site assignments for revisits performed by NDOW.
12. To fulfill a data request, calculated the amount of alluvial-covered land in Nevada to be 48%, of which 79% is open to mineral entry.

AML/Fluid Minerals Field Specialist – Dustin Holcomb

1. Staffed the NDOM booth at the 2022 GSN Symposium.
2. Entered Secured Hazard Information Form data provided by claimants.
3. Assisted in preparing the summer intern project binders, which included the overview maps and necessary topo quad maps with hazards, non-hazards, and NV points and other areas of AML interest.
4. Complete aerial reconnaissance of Berlin/Ione, Eureka, and Round Mountain field areas.
5. Attended the IOGCC Well Inspectors' Forum in Oklahoma City.
6. Participated in intern training, including First Aid/CPR/AED, truck PM checklists, tire changing, Mesa tablet usage, barbed wire fence building, and remote field operations.
7. Supervised interns for the first week in the Tonopah area.

AML/Public Outreach – Southern Nevada Programs Manager – Garrett Wake

1. Conducted three presentations in fourth-grade classrooms at Wengert ES on Earth and Human Activity, minerals education, and AML; 75 students reached.
2. Conducted one virtual career day presentation in Carson Middle School; 25 students reached.
3. Conducted five presentations in a fourth-grade classroom at SLAM academy as a volunteer for Junior Achievement -- also provided information on minerals education and dangers of abandoned mines; 25 students reached.
4. Certified seven AML interns and one NDOM staff in Red Cross first aid, CPR and AED in preparation for the summer fieldwork season.
5. Participated in the AML Social Media Campaign contract evaluation committee meeting.
6. Conducted aerial reconnaissance using Google Earth across ten topographic quadrangles in preparation for summer intern season. Assisted AML Chief with preparing maps and data for intern and staff use.
7. Updated three graphics panels and made all necessary arrangements for production of the Nevada PDAC exhibit. Assisted NDOM Administrator with shipping materials to the convention facility in Toronto.
8. Obtained updated quotes for a UTV and trailer for the southern Nevada office.
9. Applied for and was accepted into the Nevada Certified Public Manager course.
10. Continued to assist claimants submitting documentation or needing additional information relating to the fall AML mailout notifications.
11. Presented a proposal for an in-kind donation on behalf of the McCaw School of Mines Foundation to the Commission on Mineral Resources.
12. Participated in the 2nd quarter Veteran Peer Mentor meeting, an Education Committee Meeting, a PDAC collaborators' meeting, and a McCaw gala planning meeting.

AML/Public Outreach and Education – Southern Nevada Field Specialist – Becky Ely

1. Attended GSN Symposium in Sparks, NV.
2. Worked with Dustin, Sean, and Garrett to prepare intern binders.
3. Attended and participated in Quarter 2 Safety Committee Meeting.
4. Attended and participated in CHOLLA end-of-year working meeting and retreat.
5. Completed trainings and survey for my role as Diversity and Inclusion Liaison.
6. Worked on owner responses (calls and emails) to AML 2nd notification letters, providing additional information to owners when requested.
7. Attended CMR meeting via Zoom.
8. Worked with Garrett to submit course request to CCSD PLE office to offer All About Mining: Mining for a STEAM Education in the fall semester.
9. Started preparing “How-to” documents on education and outreach in preparation of my departure.

Fluid Minerals Program Manager – Cort Luxford

1. Seven geothermal and no oil permits were issued in May. The Ormat Pinto 23-20 thermal gradient well was approved in Humboldt County on a BLM lease. The Ormat Crescent Valley 61(72)-3, 53(64)-3, and the 36(54)-3 observation wells were approved on a private lease in Eureka County. The Ormat McGinness Hills 86(37-15)-16ST1 and the 77-21 industrial production wells were approved in Lander County on a BLM lease. The Ormat 55A-4 industrial injection well was approved in Washoe County on a private lease.
2. Three geothermal sundries and one oil sundry were processed in May.
3. One notice for a DMRE borehole was received and approved in May, the Belmont KB-5 in Monte Cristo Valley in Esmeralda County. One DMRE exploration well was approved in May, the GeoXplor Acme DH-1 in Clayton Valley in Esmeralda County.
4. Inspected 104 oil wells in May. The Sans Springs, Bacon Flat, Grant Canyon, Kate Springs, Ghost Ranch, Eagle Springs, Trap Springs, Munson Ranch, East Inselberg and Currant fields in Nye County. Also, two wells in White River Valley in Nye County, one near Ely, and the Scott Federal 35-1 in White Pine County.
5. Had a conference call with the Veterans Administration about abandoning the Obs Well #1 in Reno.
6. The Blue Mountain BM 34A(24-32)-22 continued to drill and was approaching TD at the end of May, I visited the site during operations.
7. Had a DMRE regulatory discussion with NDWR, NDOM, NDEP-UIC, and BMRR regarding the appropriate agency's roles in permitting processes.

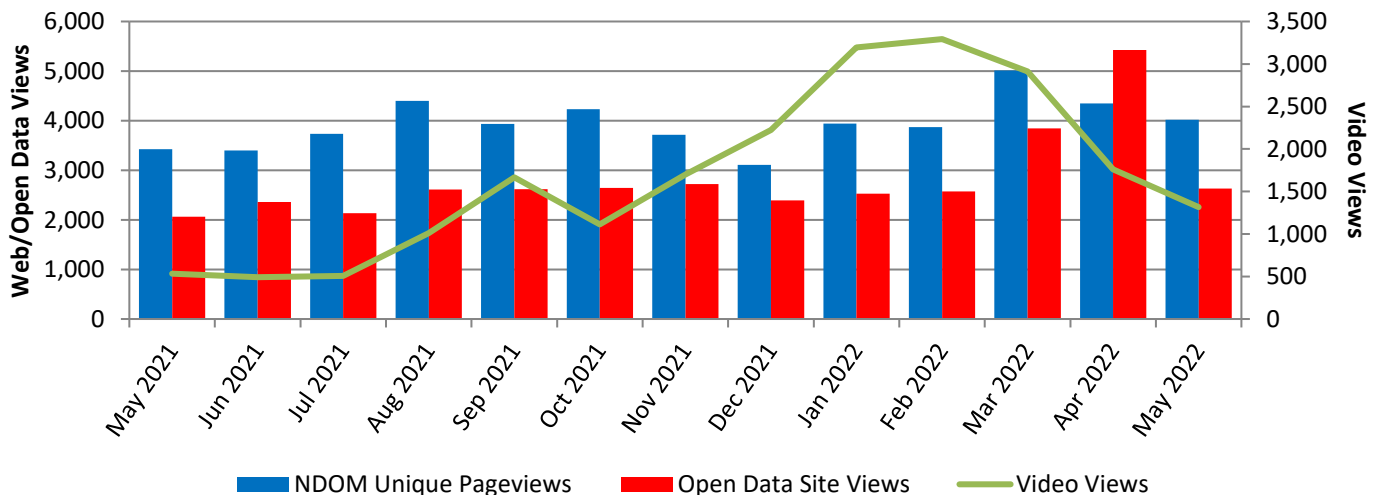
8. Had a virtual meeting with Enel for discussion about the 17-31 well that had a leak, at which water was discharged to the surface in the Stillwater field. They intend to create a plan to tests older injection wells in the field and present a plan moving forward on increased testing.
9. Met with the Argentinian delegation on DMRE regulations in Nevada organized by Kenyon Weaver of the Office of the General Counsel, U.S. Department of Commerce.
10. Had a meeting with NBMG on data exchange and plans to create a process for the transfer of permits, logs, and files to be sent to NBMG when geothermal and oil permits confidentiality period expire. Discussed ensuring that cuttings are received by NBMG and that cores are skeletonized by the operator prior to submission; included the language in NDOM's COAs on approved permits.
11. Coordinated with BLM state and field offices to monitor drilling operations, review permit applications and sundries for fluid minerals.
12. End-of May well inspection status:

FY 2022 Well Inspections	Total Wells	Wells Needed for FY22	Wells Inspected	% of Total Needed	Wells Remaining
Geothermal (19 Locations)	463		168		
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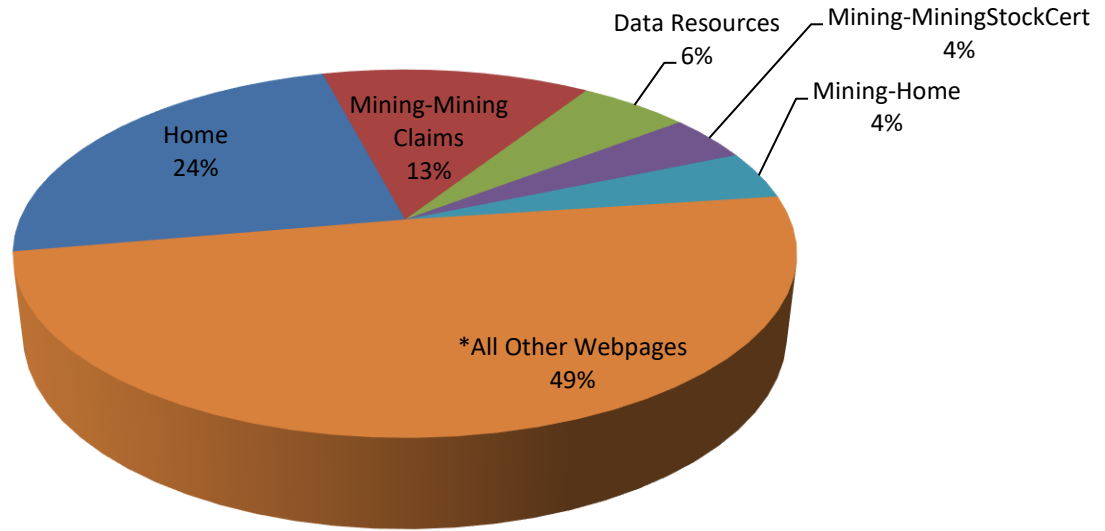
Website Activity

Period	Website Pageviews	Website Unique Pageviews	Website Top 5 Pageviews	Open Data Site Views	Video Views
May 2022	5,416	4,019	Home, Mining-Mining Claims, Data Resources, Mining-MiningStockCert, and Mining-Home	2,628	1,316
Apr 2021-Apr 2022	69,381	51,140		36,545	21,819

NDOM Web/Open Data/Video Sites 13 Month Rolling Chart



NDOM Website - Top 5 Unique Page Views for May 2022



*All Other Webpages - Site pages including Home Pages, Current Information, About Us, Commission, Programs, News, FAQs, and Contact Us pages.

Top Visitors

May-2022	Country	United States, Canada, Germany, (unknown), and India
	State	Nevada, California, (unknown), Texas, and Virginia
	City	(unknown), Reno, Las Vegas, Los Angeles, and Sacramento

<u>Video Views in May 2022</u>	<u>Top 5 Video Views</u>	<u>Dist Learn Trkr # of Classes</u>	<u>No. NV 45%</u>	<u>So. NV 55%</u>
1,316	1) Stay Out and Stay Alive; 2) Mining in Nevada; 3) The Basics of Mineral Identification; 4) Nevada Geology & Mineral Deposits...On a Brownie; 5) Ore Deposits an Overview	53	24	29